Title:
Mouldable copolymer compsn. - comprises tetra:fluoro:ethylene- perfluoro(alkyl:vinyl:ether) copolymer

Patent Assignee:
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Abstract:
Abstract (Basic): JP 08041267A

A tetrafluoroethylene (TFE)/perfluoro(alkylvinylether) (PFAVE) copolymer (I) comprises 100 pts. wt. of a general TFE/PFAVE copolymer (A) and 0.05-20 pts. wt. of 1 perfluoropolymer which is selected from a TFE/PFAVE copolymer (B) having the content of PFAVE polymerisation unit of less than that of (A) and a TFE polymer (C) and has a vol. speed (X) of greater than0.1 mm3/sec, wherein (X) is a vol. speed (mm3/sec) of molten (B) and/or (C) measured by a KOKA flow tester under conditions of a temp. of 380deg.C, a load of 25 kg/cm2, a nozzle dia. of 2 mm, and a nozzle length of 8 mm, and the following vol. speed (Y) differs from (X) in a point of a load of 7 kg/cm2 instead of 25 kg/cm2.

Pref. (A) Has the content of PFAVE polymerisation unit of 1.0-3.0 mol.% and (Y) of 0.5-100 mm3/sec., (B) has the content of PFAVE polymerisation unit of less than0.5 mol.% and (X) of 0.1-30 mm3/sec, (C) has (X) of 0.1-30 mm3/sec.. (A) Has a PFAVE component of perfluoro(propylvinylether) (PFPVE), (B) has a PFAVE component of PFPVE. (I) Gives a moulded part with a spherulite size of less than10mu. (I) Gives an extruded tube with an interior surface roughness of less than0.3mu. An example of the TFE/PFPVE copolymer (PFA-1) has a mol ratio of both components of 98.7/1.3 mol.% and (Y) of 2 mm3/sec.. An example of TFE polymer (PTFE-1) has a crystallisation temp. of 314deg.C.

USE - (I) Is used for preparing moulded parts with a high surface smoothness.

ADVANTAGE - (I) Has a good mouldability and gives moulded parts with a small spherulite size and a high surface smoothness.

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Patent Family: If available, click on fulltext doclink to view the associated fulltext/image doc.

Fulltext Doclink	Cntry	Serial	Kind	Date	Week	Pages	Lang
	JP	08041267	A	19960213	199616	005	-

Priorities:

Country	Serial	Date	Type
JP	0178889	19940729	A

Application, Citations, Coding Information, Index Terms:

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